

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
7 August 2003 (07.08.2003)

PCT

(10) International Publication Number  
**WO 03/063844 A2**

(51) International Patent Classification<sup>7</sup>: **A61K 31/00**

(21) International Application Number: PCT/EP03/00802

(22) International Filing Date: 27 January 2003 (27.01.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0201882.8 28 January 2002 (28.01.2002) GB

(71) Applicant (for all designated States except US): **HYKS-  
INSTITUUTTI OY** [FI/FI]; PL 700 (Biomedicum, A  
407), FIN-0029 HUS (FI).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **JOENSUU, Heikki**  
[FI/FI]; Lantinen Rantatie 1 A 1, FIN-02230 Espoo (FI).

(74) Agent: **GROS, Florent**; Novartis AG, Corporate Intellec-  
tual Property, Patent & Trademark Department, CH-4002  
Basel (CH).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SE, SG, SK, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW.

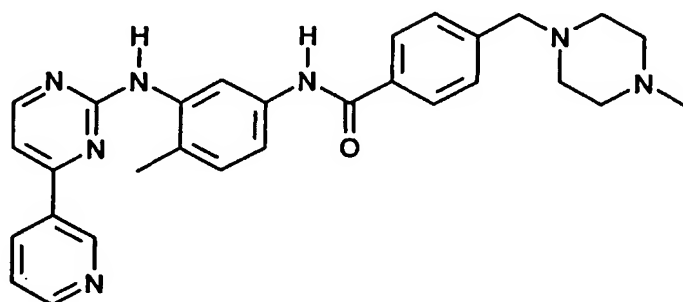
(84) Designated States (*regional*): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR).

**Published:**

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: TREATMENT OF RHEUMATOID ARTHRITIS



(57) Abstract: 4-(4-methylpiperazin-1-ylmethyl)-N-[4-methyl-3-(4-pyridin-3-yl)pyrimidin-2-ylamino]phenyl-benzamide of the formula (I), or a pharmaceutically acceptable salt thereof can be used in the treatment of rheumatoid arthritis. The invention also relates to a combination of the compound of the formula I or a pharmaceutically acceptable salt thereof with one or more disease modifying arthritis rheumatoid drugs (DMARDs).

(I)